

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	(("5999084") or ("6102802") or ("6135886") or ("6208271") or ("6222525") or ("6343991") or ("6344791") or ("6347997") or ("6351205") or ("6400303") or ("6563415") or ("6906700")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/01/23 08:42
S2	2	"20040160414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/23 08:53
S3	0	"0867212"	EPO	OR	OFF	2008/01/23 08:54
S4	1	"867212"	EPO	OR	OFF	2008/01/23 08:54
S5	1	"835676"	EPO	OR	OFF	2008/01/23 08:54
S6	2	"20020000971"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/23 09:41
S7	74	"6222525"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/23 09:41
S8	2	"6222525".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/23 09:52
S9	118	"4246452"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/23 09:52
S10	2	"20020000971"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/05 15:14
S11	2	"6310606".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 08:24
S12	1206	Potentiometer same Fourth same (rotat\$4 or rotational)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 08:27

## EAST Search History

S13	20	Potentiometer same Fourth same (rotat\$4 or rotational) and ("345"/\$.ccls. or "463"/\$.ccls. or "200"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 08:27
S14	113	("3604866"   "3745966"   "3918021"   "3942148"   "4063221"   "4161726"   "4275611"   "4349705"   "4357014").PN. OR ("4469330").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 08:36
S15	147	dome same button same (vibration or feedback or snap) same pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 14:38
S16	425	(dome same (vibration or feedback or snap) same pressure) and (button or key)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 14:50
S17	278	S16 not S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 14:41
S18	43	(dome same (vibration or feedback or snap) same pressure) and (button or key) and fulcrum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 14:50
S19	137	(dome same (vibration or feedback or snap) same pressure) and (button or key) and (fulcrum or pivot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 14:58
S20	2	"5164697".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 15:08
S21	2413	pressure same (switch or button) same (rotat\$3 or pivot\$3) same fourth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 15:10
S22	4	pressure same (switch or button) same (rotat\$3 or pivot\$3) same fourth and "345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 15:10
S23	39	("2470968"   "2929258"   "3103127"   "3277248"   "3308675"   "3376575"   "3870161"   "3939451"   "4042902"   "4093953"   "4101863"   "4273972"   "4275611"   "4325050"   "4367373"   "4375631").PN. OR ("4490710").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:18

## EAST Search History

S24	26	"5164697"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:18
S25	15	((("5510812") or ("3806471") or ("5207426") or ("4489302") or ("5710947") or ("4866542"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 15:20
S26	6	((("3463041") or ("5231386"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 15:21
S27	5	341/20.ccls. and (pivot\$3 and fourth same sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/06 15:42
S28	207	("2430284"   "3693425"   "3921445"   "4099409"   "4216467"   "4297542"   "4348142"   "4369663"   "4414537"   "4536746"   "4555960"   "4670743"   "4684089"   "4811608"   "4855704"   "4910503"   "4935728"   "5128671"   "5142931"   "5168221"   "5189355"   "5252952"   "5329276").PN. OR ("5589828").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:49
S29	229	"hat switch"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:49
S30	62	"hat switch" and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:52
S31	61	"thumb switch" and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:52
S32	117	("4321851"   "4392211"   "4483230"   "4501424"   "4516777"   "4588187"   "4659313"   "4703302"   "4716542"   "4739128"   "4804940"   "4824111"   "4852031"   "4868780"   "4924216"   "4976435"   "5134395"   "5245320"   "5286202"   "5296871"   "5389950"   "5396267").PN. OR ("5551701").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:54
S33	73	("1709068"   "2863015"   "4308434"   "4394548"   "4408103"   "4415782"   "4425488"   "4516939"   "4517424"   "4552360"   "4584443"   "4604502").PN. OR ("4739128").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 15:55
S34	30	("4321851"   "4397211"   "4483230"   "4703302"   "4739128"   "4804940"   "4852031"   "5245320").PN. OR ("5389950").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:02
S35	0	(multi-direction near3 thumb) and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:02
S36	105	(switches near3 thumb) and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:07
S37	38	(directional near3 thumb) and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:09
S38	279	463/38.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:09

## EAST Search History

S39	107	("4040647"   "4491325"   "4558609").PN. OR ("4748441").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:17
S40	6	("3897805"   "3967086"   "4584510"   "4748441"   "5042314"   "5541622").PN. OR ("H001822").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:23
S41	41	("2478923"   "3198922"   "3810047"   "3814199"   "3931486"   "3946225"   "4026048"   "4250378"   "4414438"   "4439648"   "4445541"   "Re24701").PN. OR ("4584510").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:23
S42	16	("3198922").URPN.	USPAT	OR	OFF	2008/02/06 16:27
S43	16	("3198922").URPN.	USPAT	OR	OFF	2008/02/06 16:30
S44	41	("2478923"   "3198922"   "3810047"   "3814199"   "3931486"   "3946225"   "4026048"   "4250378"   "4414438"   "4439648"   "4445541"   "Re24701").PN. OR ("4584510").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 16:30
S45	16	("3198922").URPN.	USPAT	OR	OFF	2008/02/07 08:48
S46	2	joystick and "four switches" near4 pivot\$3	USPAT	OR	OFF	2008/02/07 08:54
S47	1	joystick and "four switches" near4 thumb	USPAT	OR	OFF	2008/02/07 08:55
S48	2	joystick and "four switches" same thumb	USPAT	OR	OFF	2008/02/07 08:55
S49	8	joystick and "four switches" same thumb	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 08:55
S50	139	joystick and pivot\$3 same thumb	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 08:57
S51	6	bennett and "digital joystick switch"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:06
S52	13	bennett	IBM_TDB	OR	OFF	2008/02/07 09:08
S53	176	"21".vol. and "12".nr.	IBM_TDB	OR	OFF	2008/02/07 09:18
S54	3	"21".vol. and "12".nr. and joystick	IBM_TDB	OR	OFF	2008/02/07 09:19
S55	2718	joystick and thumb	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:21
S56	0	joystick and thumb same "hat trigger"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:22

## EAST Search History

S57	10	joystick and thumb same "hat switch"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:22
S58	0	joystick and thumb same "multidirection switch"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:24
S59	0	joystick and thumb same "multidirectional switch"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:24
S60	8	joystick and thumb same "directional switch"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:24
S61	457	joystick and thumb same switches	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 09:27
S62	12	("3198892"   "4029915").PN. OR ("4308434").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 09:35
S63	28	("3198892"   "3293381"   "3401240"   "3917918"   "4029915"   "4181827"   "4308434"   "4349708"   "4382166"   "4414438"   "4511769"   "4520242"   "4584443"   "4749826").PN. OR ("5227594").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 09:37
S64	2	joyhat	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 09:43
S65	1	"5589828".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 09:54
S66	207	("2430284"   "3693425"   "3921445"   "4099409"   "4216467"   "4297542"   "4348142"   "4369663"   "4414537"   "4536746"   "4555960"   "4670743"   "4684089"   "4811608"   "4855704"   "4910503"   "4935728"   "5128671"   "5142931"   "5168221"   "5189355"   "5252952"   "5329276").PN. OR ("5589828").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 09:54
S67	47	"top hat" and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 10:00
S68	2	"pov switch" and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 10:08

## EAST Search History

S69	1	"5551701".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 10:13
S70	790	hat and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 10:16
S71	8	hat same pivot and joystick	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 10:43
S72	33	(US-20020000971-\$ or US-20040160414-\$).did. or (US-6906700-\$ or US-6310606-\$ or US-5790101-\$ or US-6222525-\$ or US-6208271-\$ or US-4713007-\$ or US-4490710-\$ or US-6563415-\$ or US-6400303-\$ or US-5999084-\$ or US-3942148-\$ or US-6347997-\$ or US-6351205-\$ or US-6343991-\$ or US-6344791-\$ or US-6102802-\$ or US-6135886-\$ or US-4469330-\$ or US-4814566-\$ or US-4348142-\$ or US-5436640-\$ or US-4748441-\$ or US-5805256-\$ or US-5724068-\$ or US-5628686-\$ or US-5551701-\$).did. or (US-2686099-\$ or US-3198922-\$).did. or (EP-867212-\$ or EP-835676-\$).did. or (US-4582967-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2008/02/07 10:55
S73	8	(3d or 3-d or three adj dimensional or three-dimensional) and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 10:56
S74	8939	(3d or 3-d or three adj dimensional or three-dimensional) and joystick	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 10:56
S75	1757	(3d or 3-d or three adj dimensional or three-dimensional) near2 (graphic\$2 or imagery) and joystick	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 10:57
S76	849	(3d or 3-d or three adj dimensional or three-dimensional) and joystick and thumb	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 10:57
S77	48	(3d or 3-d or three adj dimensional or three-dimensional) and joystick and thumb same directional	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 10:57
S78	388	(3d or 3-d or three adj dimensional or three-dimensional) and joystick and thumb and "345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 10:58
S82	2377	(3d or 3-d or three adj dimensional or three-dimensional) and joystick and television	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 13:45

## EAST Search History

S83	250	(3d or 3-d or three adj dimensional or three-dimensional) and joystick and television and thumb	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 13:46
S84	84	joystick and motor same feedback same weight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:30
S85	730	joystick and motor same weight	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:31
S86	13	joystick and motor same weight same vibrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:31
S87	90	joystick and motor same weight same vibration\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:32
S88	98	joystick and motor same weight same vibrat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:34
S89	42	joystick and motor same weight same tactile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:35
S90	361	joystick and motor same weight and feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:42
S91	235	joystick and motor same weight and vibration	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:45
S92	36	joystick and "active feedback"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:48

## EAST Search History

S93	2963	joystick and vibration\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:52
S94	1543	joystick and vibration\$1 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:52
S95	470	joystick and vibration\$1 same motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/07 15:52
S96	54	("3902687"   "4484191"   "4574391"   "4771344"   "5203563"   "5299810"   "5368484"   "5513129"   "5553148").PN. OR ("5669818").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 16:03
S97	134	("4262549"   "4291490"   "4713007"   "4940234"   "5044956").PN. OR ("5203563").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/07 16:08